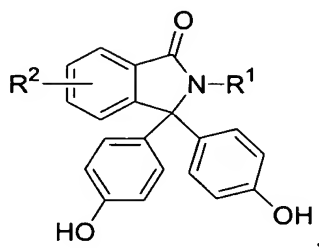


METHODS FOR PRODUCING AND/OR PURIFYING 2-HYDROCARBYL-3,3-BIS(4-HYDROXYARYL)PHthalIMIDINE MONOMERS AND POLYCARBONATES DERIVED THEREFROM

ABSTRACT OF THE DISCLOSURE

[0104] Disclosed herein is a method for producing a 2-hydrocarbyl-3,3-bis(4-hydroxyaryl)phthalimidine. The method comprises forming a reaction mixture comprising at least one substituted or unsubstituted phenolphthalein, at least one substituted or unsubstituted primary hydrocarbyl amine, and an acid catalyst; and heating the reaction mixture to a temperature of less than 180 °C to remove a distillate comprising water and form a crude 2-hydrocarbyl-3,3-bis(4-hydroxyaryl)phthalimidine product; where the 2-hydrocarbyl-3,3-bis(4-hydroxyaryl)phthalimidine has a formula:



where R<sup>1</sup> is selected from the group consisting of a hydrogen and a hydrocarbyl group, and R<sup>2</sup> is selected from the group consisting of a hydrogen, a hydrocarbyl group, and a halogen.